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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,319	06/13/2006	Sun-Jae Park	JCLA21090	3232
7590 J C Patents Inc Suite 250 4 Venture Irvine, CA 92618			EXAMINER BASINGER, SHERMAN D	
			ART UNIT 3617	PAPER NUMBER
			MAIL DATE 10/09/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/583,319

Applicant(s)

PARK, SUN-JAE

Examiner

Sherman D. Basinger

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4-8 is/are allowed.
- 6) ☒ Claim(s) 1-3 and 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 5 is objected to because of the following informalities: in claim 5, last line "face" should be inserted at the end of the line before the period. Appropriate correction is required.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ingram in view of Ertl et al.

For claim 1, Ingram discloses for claim 1 a prefabricated boat comprising:

- a) a body part being composed of a plurality of division members (see figures 7-9) capable of being assembled one to another along a longitude direction of the prefabricated boat (figure 9);
- b) an armor part 32 for wrapping around and fixing the body part assembled into a single body; and d) wherein the armor part has the form of a bag, the armor part being provided with an opening for receiving the plurality of division members constituting the body part.

Ingram does not disclose c) an air tube mounted on a desired position of an inner face of the armor part so as to apply a compression force to the body part substantially along the longitude direction. Note the air tubes 1 and 2 of Ertl et al mounted on a desired position of the inner face of an armor part 4. Tubes 1 and 2 of Ertl apply a compression force to body parts spars 3 and ribs 11 **along** the longitudinal direction of spar 3. The compression is applied all along spar 3 in the longitudinal direction.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains to provide to Ingram an air

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tube similar to 1 and 2 of Ertl et al mounted on a desired position of an inner face of the armor part so as to apply a compression force to the body part substantially along the longitude direction to tension the hull portion as taught by Ertl et al.

For claim 3, in Ingram the armor part 32 is further provided with a connection portion 34, which is extended from a desired position of the periphery of the opening and detachably attached to an opposite facing position of the periphery of the opening.

For claim 9, Ingram discloses a prefabricated boat comprising a boat body comprising a bow (figure 8), a trunk (figure 7), and a stern (figure 9), wherein the bow, the trunk, and the stern are individually configured (figures 7, 8 and 9) and capable of being assembled along a longitude direction of the prefabricated boat to form a boat shape; and

a boat skin 32 covering the boat body and providing a waterproof feature thereto.

Ingram does not disclose an air tube fitted in a rest space between the boat skin and the boat body so as to provide a tension force to the boat skin and a compression force to the boat body, wherein the tension force and the compression force are substantially applied along the longitude direction.

Ertl et al discloses an air tube 1 fitted in a rest space between the boat skin 4 and the boat body 3, 11 so as to provide a tension force to the boat skin and a compression force to the boat body 3 and 11, wherein the tension force and the compression force are substantially applied **along** the longitude direction. The tension and compression force are applied all along the spar 3 which would mean that such forces are applied along the longitudinal direction.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains to provide to Ingram air tubes similar to 1 and 2 of Ertl to apply along a longitude direction a tension force to the boat skin and a compression force to the body. Motivation to do so is to make more rigid the boat of Ingram after it has been assembled.

Allowable Subject Matter

4. Claims 4-8 are allowed.

Response to Arguments

5. Applicant's arguments filed August 29, 2007 have been fully considered but they are not persuasive. The division members 29, 24, 28 and 29 are capable of being assembled one to another along a longitude direction of the prefabricated boat. As a matter of fact, this would be the best way to assemble them. Further, the air tubes 1 and 2 of Ertl et al do apply a tension force to the armor part or boat skin 4 and a compression to the body parts 3 and 11 along the longitude direction defined by spar 3. These forces are applied substantially all along the spar 3 which extends in the longitude direction.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherman D. Basinger whose telephone number is 571-272-6679. The examiner can normally be reached on Monday through Friday, 5:30 a.m. to 2:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samuel J. Morano can be reached on 571-272-6684. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sherman Basinger/

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Friday, September 28, 2007